

ISOLATION, SCREENING AND MOLECULAR CHARACTERIZATION OF UNKNOWN BACTERIAL STRAINS FROM SOIL IN CASHEW NUT FIELD

**This Project Report is submitted in Partial Fulfillment of the
Award of the Degree**

MASTER OF SCIENCE IN BIOTECHNOLOGY

**Submitted By
KISHORE PONNADA
Reg .No 718228904001**

**Under the guidance of
Dr. GADI JOGESWAR, M.Sc., Ph.D.
Shrijoshika Molecular Diagnostics and Research Centre
Visakhapatnam**



**DEPARTMENT OF BIOTECHNOLOGY,
DR.V.S.KRISHNA COLLEGE
ANDHRA UNIVERSITY, VISAKHAPATNAM**

**STUDIES ON XRCC GENE POLYMORPHISM IN ASSESING
THE CANCER RISK**

In

WORK DONE AT

**CENTER FOR BIOSCIENCE AND NANOSCIENCE
RESEARCH**

MASTER OF SCIENCES

IN

BIOTECHNOLOGY

BY

LELLAPALLI PRASANTH

Under the guidance of

Dr.P.KARTHIKEYAN

Reg.no : 718228904002



P.G DEPARTMENT OF BIOTECHNOLOGY

Dr. V.S.KRISHNA GOVT.AUTONOMOUS COLLEGE,

VISAKHAPATNAM

ANDHRA UNIVERSITY

APRIL - 2020

ISOLATION, SCREENING AND MOLECULAR CHARACTERIZATION OF UNKNOWN BACTERIAL STRAINS FROM SOIL IN PADDY FIELD

**This Project Report is submitted in Partial Fulfillment of the
Award of the Degree**

MASTER OF SCIENCE IN BIOTECHNOLOGY

Submitted By
JEERU LAXMINARAYANA
Reg.No: 718228904003

Under the guidance of
Dr. GADI JOGESWAR M.Sc., Ph.D.
ShriJostilka Molecular Diagnostics and Research Centre
Visakhapatnam



DEPARTMENT OF BIOTECHNOLOGY
DR.V.S.KRISHNA COLLEGE
ANDHRA UNIVERSITY
VISAKHAPATNAM

Prevalence and type distribution of high-risk human papilloma virus
invasive squamous cell carcinoma of the cervix and clinical population of the hospitals in Andhra Pradesh

In
work done at

APOLLO HOSPITAL EDUCATIONAL
AND RESEARCH FOUNDATION, CELL AND MOLECULAR BIOLOGY RESEARCH CENTER

MASTER OF SCIENCES

IN

BIOTECHNOLOGY

BY

RAMIREDDY KALYAN CHAKRAVARTHI

Reg.no: 718228904004

Under the guidance of

Dr.P.KARTHIKEYAN



P.G DEPARTMENT OF BIOTECHNOLOGY

Dr. V.S.KRISHNA GOVT.AUTONOMOUS COLLEGE,

VISAKHAPATNAM

ANDHRA UNIVERSITY

APRIL - 2020

MICROBIAL ASSESMENT ON QUALITY OF CURD

In

Sri Vijaya Visakha Milk Producers Company Limited

A project report submitted to Andhra University, Visakhapatnam

In partial fulfillment for the award of the degree of

MASTER OF SCIENCES

IN

BIOTECHNOLOGY

BY

D. GANESH (718228904005)

Under the guidance of

Mr. U. SURESH, Chief Manger

Sri Vijaya Visakha Milk Producers Company Limited



P.G DEPARTMENT OF BIOTECHNOLOGY

Dr. V.S.KRISHNA GOVT.AUTONOMOUS COLLEGE,

VISAKHAPATNAM

ANDHRA UNIVERSITY

APRIL-2020

M.Sc. BIOTECHNOLOGY
Choice and Credit based semester system
(Effective from the academic year 2009-2010)
SCHEME OF INSTRUCTION AND EXAMINATION

Paper No	Title of the Paper	Periods/ Week	Duration of Exam (hrs)	Max. * Credits	Marks
<u>I Semester:</u>					
BT 1.1	Cell Biology	4	3	100	4
BT 1.2	Biomolecules	4	3	100	4
BT 1.3	Microbial Physiology & Genetics	4	3	100	4
BT 1.4	Analytical Tools and Techniques in Biotechnology	4	3	100	4
BT 1.5	Lab-I: Cell Biology and Microbiology	12	6	100	4
BT 1.6	Lab-II: Biochemical Analysis and Techniques	12	6	100	4
Total marks and credits for I semester				600	24
<u>II Semester:</u>					
BT 2.1	Enzymology and Metabolism	4	3	100	4
BT 2.2	Molecular Biology	4	3	100	4
BT 2.3	Genetic Engineering	4	3	100	4
BT 2.4	Biology of Immune System	4	3	100	4
BT 2.5	Lab-III: Molecular Biology & Genetic Engineering	12	6	100	4
BT 2.6	Lab-IV: Enzymology and Immunology	12	6	100	4
BT 2.7	Non-Core paper (from other departments)	4	3	100	4
Total marks and credits for II Semester				700	28
<u>III Semester:</u>					
BT 3.1	Cell Culture Technology and Tissue Engineering	4	3	100	4
BT 3.2	Plant Biotechnology	4	3	100	4
BT 3.3	Animal Biotechnology	4	3	100	4
BT 3.4	Medical and Environmental Biotechnology	4	3	100	4
BT 3.5	Lab-V: Plant Tissue Culture Techniques	12	6	100	4
BT 3.6	Lab-VI: Animal Cell culture and Environmental Biotechnology	12	6	100	4
BT 3.7	Non-Core paper (from other departments)	4	3	100	4
Total marks and credits for III semester				700	28
<u>IV Semester:</u>					
BT 4.1	Heterologous Expression and Down Stream Processing		3	100	4
BT 4.2	Bioinformatics and Biostatistics		3	100	4
BT 4.3	Lab-VII: Industrial Biotechnology and Bioinformatics		6	100	4
BT 4.4	Project work & Dissertation			200	8
BT 4.5	Seminar			50	2
BT 4.6	Comprehensive Viva-voce			50	2
Total marks and credits for IV Semester				600	24
Grand Total marks and credits for 4 semesters				2600	104

* Theory marks include 15 marks for internal assessment and 85 marks for semester-end examinations. Practical marks include 15 marks for continuous assessment and 85 marks for semester-end examinations in which 10 marks are for Record and 10 marks for Viva-voce